

From: [EOC Deputy Manager](#)
Sent By: [David Ostrander](#)
To: [Mathy Stanislaus](#); [Barry Breen](#); [Marsha Minter](#); [Lisa Feldt](#); [Roxanne Smith](#); [Dana Tulis](#); [Bob Perciasepe](#); [Diane Thompson](#); [Lozano.Jose@epamail.epa.gov](#); [Malcolm Jackson](#); [Renee Wynn](#); [Larry Stanton](#); [Janet Woodka](#); [Debbie Dietrich](#); [James O'Hara](#); [Victoria Rivas-Vazquez](#); [Curt Spalding](#); [Ira Leighton](#); [James Owens](#); [Dave McIntyre](#); [Steve Novick](#); [Judith Enck](#); [George Pavlou](#); [Walter Mugdan](#); [Eric Mosher](#); [Joe Rotola](#); [James Daloia](#); [Shawn Garvin](#); [William Early](#); [Ron Borsellino](#); [Dennis Carney](#); [Bonnie Gross](#); [Fran Burns](#); [Gerald Heston](#); [Gwendolyn KeyesFleming](#); [Stan Meiburg](#); [Franklin Hill](#); [Shane Hitchcock](#); [James Webster](#); [Jim Newsom](#); [Michael Kenyon](#); [Donna Vizian](#); [Ed Chu](#); [Kathy Hodgkiss](#); [Richard Windsor](#); [John LaPadula](#); [Nancy Barmakian](#); [Randall Chaffins](#); [Sarah Pallone](#); [Laura Vaught](#); [Arvin Ganesan](#); [Cynthia Giles-AA](#); [Gina McCarthy](#); [Nancy Stoner](#); [David Travers](#); [Barbara Bennett](#); [Jeffrey Levy](#); [Lela Harris](#); [Dave Wright](#); [Harry Compton](#); [Dennisses Valdes](#); [Lisa Garcia](#); [Carolyn Levine](#); [Jack Bowles](#); [Mike Shapiro](#); [Susan Hedman](#); [Bharat Mathur](#); [Richard Karl](#); [Jason El-Zein](#); [SAMUEL BORRIES](#); [Sam Coleman](#); [Ron Curry](#); [Lee Veal](#); [Pam Phillips](#); [Ragan Broyles](#); [Chris Petersen](#); [Karl Brooks](#); [Mark Hague](#); [Cecilia Tapia](#); [Scott Hayes](#); [Kenneth Buchholz](#); [Jim Martin](#); [Howard Cantor](#); [Martin Hestmark](#); [David Ostrander](#); [Laura Williams](#); [Jared Blumenfeld](#); [Alexis Strauss](#); [Jane Diamond](#); [Daniel Meer](#); [HarryL Allen](#); [Dennis McLerran](#); [Michelle Pirzadeh](#); [Chris Field](#); [Calvin Terada](#); [Lisa Plevin](#); [Mark Pollins](#); [EOC Public Information@EPA](#); [James Woolford](#); [Barnes Johnson](#); [DavidR Lloyd](#); [GailAnn Cooper](#); [Carolyn Hoskinson](#); [Nigel Simon](#); [Suzanne Rudzinski](#); [Sandra Connors](#); [Carolyn Hoskinson](#); [Reggie Cheatham](#); [Bonnie Bellow](#); [Marsha Minter](#); [James Michael](#); [Betsy Devlin](#); [Juan Reyes](#); [Mary-Kay Lynch](#); [Lee Tyner](#); [Elizabeth Ashwell](#); [Johnpc Fogarty](#); [Nanci Gelb](#); [Dennis Bushta](#); [briefings@epa.gov](#); [EOC Deputy Manager@EPA](#); [Victoria Rivas-Vazquez](#)
Cc: [Mark Mjones](#); [Kim Jennings](#); [Dana Stalcup](#); [Elyn Fine](#); [Epahq Eoc](#); [OSWER OEM PQCD](#); [Dale Perry](#); [Randy Deitz](#); [Vaughn Noga](#); [Christopher Busch](#); [Shawna Bergman](#); [David Bloomgren](#); [Victoria Vanroden](#); [Erica Canzler](#); [Joshua Woodyard](#); [Alisha Johnson](#); [Gilberto Irizarry](#); [David Ostrander](#); [Gilberto Irizarry](#); [Craig Matthiessen](#)
Subject: Hurricane Sandy - HQ EOC Management Report for November 9
Date: 11/09/2012 09:26 AM

Below is today's HQ EOC Hurricane Sandy Management Report.

For ease of Blackberry use, the situation summary is provided below in the body of this e-mail. The full report is provided as an attachment. Please keep in mind that this report is "For Internal Use Only".

Sent by the US EPA HQ EOC Deputy Manager

Email Address: EOC_Deputy_Manager@epa.gov
Main Phone: 202.564.3850
Desk Phone: 202.250.8902

For Internal Use Only
Hurricane Sandy—EPA Activities
EPA Internal Update: November 9, 9:30 AM

Information contained in this report reflects HQ and regional reporting from most recently completed operational period and includes spot reports provided by HQ, regional, and interagency sources.

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For Internal Use Only
Hurricane Sandy—EPA Activities
EPA Internal Update: November 9, 9:30 AM

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EXECUTIVE SUMMARY

- The NJ and NY area is recovering from the effects of Winter Storm Athena. Most operational areas were impacted with heavy snow and high winds. Conditions improved throughout the day as operations in NJ and NY continued.
- EPA is assessing Superfund sites for potential storm-related impacts and has identified five sites (three in NJ and two in NY) for further assessment.

- As of 11/8, EPA has cumulatively assessed 30 drinking water treatment plants and 12 wastewater treatment plants in New York. EPA has cumulatively assessed 17 drinking water treatment plants and 15 wastewater treatment plants in New Jersey. As a result of these assessments, EPA is providing assistance to two wastewater treatment plants in New Jersey.
- The New Jersey Department of Environmental Protection (NJDEP) and the New York State Department of Environmental Conservation (NYSDEC) are monitoring fecal coliform in coastal waters and have issued closures of shellfish beds across their respective states.
- In response to EPA's request, the Department of Transportation (DOT) issued a HazMat transportation emergency special permit on 11/8. This special permit allows the transport of HHW and orphaned containers to established collection stations and assists NYC with the proper recycling and disposal of collected materials.
- EPA is supporting the USCG with responses at impacted facilities, including the Phillips 66 Bayway Refinery, which discharged more than an estimated 300,000 gallons of oil to the Arthur Kill.
- The Region 2 Clean Waters ocean survey vessel completed water surveys and does not anticipate additional activity.
- EPA continues interagency coordination to evaluate options to manage unstabilized sewage sludge from the Passaic Valley Sewerage Commission (PVSC) in New Jersey. Dive operations to accelerate repairs at the Middlesex County Utility Authority (NJ) were suspended on 11/8 due to weather related conditions and will resume on 11/9.
- EPA is coordinating a visit to the Staten Island warehouse site with the Department of Energy (DOE) and the US Army Corps of Engineers (USACE) to assess the potential storm-related impact. If either agency is unable to assess the site, EPA will do so on 11/9.

HQ EOC

- The Headquarters EOC remains activated at Level 1.
- A more comprehensive summary matrix including descriptions of work done and to be done under each mission assignment has been prepared by EOC Finance through coordination with Region 2.

EOC Public Information

- PIOs have responded to approximately 40 Hurricane Sandy related media requests to date.
- EPA.gov/sandy continues to be updated with news releases, fact sheets and FAQs.
- A narrative and further information to tell EPA's story will be uploaded to the web most likely before the end of the week.

- EPA continues to distribute safety messages on EPA's social media sites on available resources as well as amplifying FEMA and state/local resources and posts.

- Region 2 personnel are providing information to the public about cleaning up after flooding, mold and how to safely dispose of HHW.

EOC Solid Waste

- EOC Solid Waste is working with EOC PIO to develop fact sheets/web page to address debris/waste issues as part of the EPA.gov/sandy.

- EOC Solid Waste is continuing to work with Regions 2, 3 and 4 to evaluate appropriate facilities for the disposal of untreated sewage sludge from PVSC.

OECA Waivers:

- Fuel Waivers and No Action Assurances as of 11/8/12:

Media/Action	Date of Action	Summary of Action
Air		
Increase Fuel Supply	11/7	<p>Multi-part request from Philadelphia Energy Solutions (PES) (formerly Sunoco Philadelphia refinery) for a waiver of various CAA stationary and mobile source requirements to increase production of diesel and gasoline that would not meet applicable fuel standard requirements. Specific request and EPA response, as follows:</p> <ul style="list-style-type: none"> • Increasing production of diesel fuel and gasoline through waiver of several non-federal air requirements. <ul style="list-style-type: none"> ○ In coordination with EPA, a 30-day administrative compliance order and consent agreement between the City of Philadelphia and PES was signed on 11/7. The agreement will allow the refinery to increase its production rates to provide additional fuel to affected areas. See http://intranet.epa.gov/oeca/oce/io/documents/administrativeorder-pes.pdf • Making high sulfur diesel available to emergency responders. <ul style="list-style-type: none"> ○ Response: PES following up with FEMA. • Waiver of limits on sulfur in gasoline. <ul style="list-style-type: none"> ○ Response: Not being pursued by PES; waiver of sulfur limits would not increase fuel supplies. • Waiver of Jones Act. <ul style="list-style-type: none"> ○ Response: PES following up with DOE.
Fuel Waiver Clarification – Product Transfer Documents	Pending	Morgan Stanley requested that EPA issue further clarification to the Oct. 31 fuel waiver to address certain contractual issues that are impeding the distribution of gasoline in the affected area.
No Action Assurance	Nov. 2 and Nov. 5 for facilities in NJ, NY,	Request from Independent Fuel Terminals Operators Association (IFTOA) to allow loading/unloading of fuel without vapor recovery controls at facilities in Portsmouth, NH and Revere, MA (Irving Oil Terminals); Chelsea MA, New Haven CT, and South Portland ME (Gulf Oil Limited Partnership); Revere, MA (Global Companies, LLC); Baltimore, MD and various NY/NJ ports (Kinder Morgan); and various Boston terminals. See, http://www.epa.gov/enforcement/air/documents/policies/mobile/naa-

	MA, and MD Pending for NH, CT and ME	vaporrecovery.pdf for NJ and NY facilities. Subsequently extended to MD and MA. See, http://www.epa.gov/enforcement/air/documents/policies/mobile/naa-vaporrecoverymamd110512.pdf
No Action Assurance	Nov. 5, 2012	Request from Motiva for extension of vapor recovery NAA to allow loading of fuel in New Haven, CT for shipment to NY/NJ. See, http://intranet.epa.gov/oeca/oce/io/documents/naa/naa-motivanewhavenct.pdf
Fuel Waiver Clarification - Ethanol	Nov. 5, 2012	Prepared a Q/A for the Oct. 31, 2012 multi-state fuel waiver clarifying that the waiver covers the requirement for ethanol blending. See, http://www.epa.gov/enforcement/air/fuel-waivers.html
No Action Assurance	Nov. 2, 2012	Allows temporary fueling stations at 4 Motiva terminals in NY and NJ (to enable access by Motiva employees/contractors to repair damaged terminals). See, http://intranet.epa.gov/oeca/oce/io/documents/naa/naa-njfuelingstations.pdf
No Action Assurance	Nov. 2, 2012 and Nov. 5, 2012	Addresses vapor recovery requirements at bulk gasoline loading and marine terminals in NY and NJ (to facilitate delivery of fuel to those areas). See, http://www.epa.gov/enforcement/air/documents/policies/mobile/naa-vaporrecovery.pdf . Subsequently extended to MD and MA. See, http://www.epa.gov/enforcement/air/documents/policies/mobile/naa-vaporrecoverymamd110512.pdf
Fuel Waiver	Nov. 2, 2012	Concerns the use of diesel fuel for disaster recovery in states of New York and Pennsylvania. A waiver request from United Airlines to use jet fuel in ground support equipment at LaGuardia and JFK airports was submitted subsequent to this waiver. It has been determined that air port ground fleets are eligible under this waiver. See, http://epa.gov/enforcement/air/documents/fuelwaivers/nypa-fuelwaiver110212.pdf
Fuel Waiver	Nov. 1, 2012	Concerns the use of diesel fuel for disaster recovery in the state of New Jersey. See, http://epa.gov/enforcement/air/documents/fuelwaivers/nj-fuelwaiver110112.pdf
Fuel Waiver	Oct. 31, 2012	Concerns the use of RFG in designated RFG Covered Areas in 16 states and the District of Columbia. See, http://epa.gov/enforcement/air/documents/fuelwaivers/multistate-fuelwaiver103112.pdf
No Action Assurance	Oct. 31, 2012	Emergency diesel generator fueling provisions necessitated by Hurricane Sandy. See, http://www.epa.gov/enforcement/air/documents/policies/mobile/naa-njemergencygenerators103112.pdf
Water		
No Action Assurance	Nov. 2, 2012	Allows discharge without an NPDES permit by the Army Corps of Engineers for work related to pumping water out of tunnels in NY and pumping water at sewage treatment plants in NJ. See, http://intranet.epa.gov/oeca/oce/io/documents/naa/naa-corpsnpdes.pdf
Provide Technical Assistance	Ongoing	Upon request from New Jersey DEP provide assistance in making the Passaic Valley and Middlesex County sewage treatment plants operational, as follows: 1) R2 has sent a senior engineer to each treatment plant to assess appropriate recovery steps; 2) R6 sent a senior waste engineer to R2 to bring experience gained during Katrina response; 3) R6 sent additional personnel today; 4) OCE/WED is coordinating with the Office of Water and the Water Environment Federation to provide additional storm recovery experience to R2.
Waste		
Provide Technical	Nov. 6 - 8, 2012	Request from Passaic Valley Sewerage Commission (PVSC) and Synargo (PVSC's waste transport/disposal contractor) to facilitate temporary disposal of

Assistance		non-hazardous (though odorous) untreated sludge in solid waste landfills in NY, KY, PA and GA. The volumes are estimated to be 1600 wet tons per day for landfilling and 100 wet tons per day for incineration for a period of up to six to eight weeks. EPA working to put PVSC in contact with the appropriate solid waste contacts in each state.
Facilitate Pesticide Import Process	Oct. 31, 2012; Nov. 1, 2012	Worked with R1, 2, 3, & 4 to coordinate the timely processing of import shipments of pesticides originally scheduled to arrive at the ports of Newark, NJ and New York City but which were being re-directed to ports in Region 1 (Boston), Region 3 (Norfolk and Baltimore) and Region 4 (Savannah and Charleston). Worked with CTAC and CBP to identify the shipments being diverted to facilitate coordination among the regions and the brokers to ensure timely processing of those shipments.
Facilitate Donation of Pesticide Disinfectants for Clean-Up	Oct. 31, 2012; Nov. 1 – 2, 2012	Worked with OPP, R2 and R5, and a company from Canada to facilitate the importation of disinfectant products being donated by the firm to aid in post-Sandy clean-up activities.

EOC Water Desk

- OW is working with EPA Regions to standardize the data summary tables for drinking water and wastewater. It is important to note that the time frame for having a complete data set is dependent on the data being provided by the impacted states.

New Jersey Water Impacts:

- In New Jersey, a majority of field operations were suspended due to adverse weather conditions. However, personnel were redistributed throughout the REOC to conduct telephonic surveys of drinking water and wastewater treatment facilities. Personnel also reviewed the data generated by the ASPECT missions to locate future areas of interest. The dive operations at MCUA were suspended due to diver fatigue from the previous operational period.
- NJDEP has requested assistance from EPA to inspect a total of 22 drinking water facilities in NJ. [To date, 17 of those facilities have been investigated and no requests for EPA assistance have been given.](#)
- [The regional laboratory will analyze samples that were collected by the Clean Waters ocean survey vessel along the New Jersey coastline, and data will be available by approximately 11/12.](#)
- [Dewatering of PVSC's galleries is approximately 90% complete, and EPA is cleaning the galleries. Oxygenation mixers were powered up and turned on.](#) Regarding the sludge issue for the Passaic Valley Sewerage Commission (PVSC), barging liquid sludge to alternate locations is not a realistic option. PVSC is about to enter into a mobile dewatering contract with Synagro. Dewatering centrifuges will be used (8 with 2 in reserve). Dewatered primary sludge will begin to be produced by 11/15 or 11/16. In the interim, PVSC will store sludge on site. PVSC is currently producing 1.5 – 2 MGD and has approximately 40 MG of storage (e.g., in primary tanks). The contract, which is being developed, will last for approximately one month at a cost of approximately \$1.6 million.

New York Water Impacts:

- EPA met with the Department of Health in Rockland County, NY, regarding drinking water and wastewater facilities. The county has contacted all facilities and tracks the operational status of each, including those with advisories or outages. No assistance is necessary from EPA at this time. Likewise, EPA contacted the Westchester County, NY, Health Department to assess needs of drinking water and wastewater facilities. The county is maintaining and managing the status of all facilities and is in no need of assistance from EPA.

- NYDEC is monitoring fecal coliform in coastal waters and has issued closures of shellfish beds across the state.

NEW JERSEY

Drinking Water – New Jersey – Current as of 11/8			Population Served
Total # Facilities – Community = 612			9,000,000
EPA Assessed (cumulative) = 17			n/a
Total Currently Needing Assistance* = 48			1,474,909
Operational = 38			1,406,141
On Grid = 0	Generator = 27	Gravity Fed = 0	
Boil Water Advisories = 11**			9,899
Do Not Use = 0 identified today			0
Non-Operational = 10			68,768
Flooded = not identified		Power Loss = 10	

*NJDEP uses the term "Total Currently Needing Assistance." We are seeking clarification from NJDEP.

**Facilities with Boil Water or Do Not Use Advisories are operational, but the source of power is unknown.

Wastewater Treatment Systems–New Jersey–Current as of 11/8			Population Served
Total # Facilities = 179			
EPA Assessed (cumulative) = 15			n/a
Total Currently Impacted = 26			n/a
Operational = 25			n/a
On Grid = 0	Generator = 25		
Bypassing or not providing full secondary treatment = 4			n/a
Non-Operational = 1			n/a
Flooded = 0	Power Loss = 1		

NEW YORK

Drinking Water - New York State – Current as of 11/8			Population Served
Total # Facilities (Declared Counties) Community = 191			12,000,000
EPA Assessed (cumulative) = 30			n/a
Total Currently Needing Assistance* = 53			59,328
Operational = 34			56,410
On Grid = 0	Generator = 2	Gravity Fed = 0	
Boil Water Advisories = 28**			16,078
Do Not Use = 3**			37,040
Non-Operational = 19			2,918
Flooded = 3		Power Loss = 16	

* "Total Currently Needing Assistance" is determined by the state, the facility or the OSC.

**Facilities with Boil Water or Do Not Use Advisories are operational, but the source of power is unknown.

Wastewater Treatment Systems – New York State Current as of 11/8	Population Served
Total # Facilities (Declared Counties) = 83	

EPA Assessed (cumulative) = 12		n/a
Total Currently Impacted = 17		n/a
Operational = 17		n/a
On Grid = 1	Generator = 16	
Bypassing or not providing full secondary treatment = 9		n/a
Non-Operational = 0		n/a
Flooded = 0	Power Loss = 0	

Region 2

- Assessment crews in NJ conducted orphan container assessments in Ocean, Monmouth, and Union Counties. In particular, the Monmouth County OEM contacted EPA to assist with assessments of Oceanport, a community of over 1,200 residential properties devastated by Hurricane Sandy. Many properties were found to be impacted by oil and sewage. Most large containers were already removed, but oil staining at residential properties is extensive.
- Field crews continued drinking water and wastewater assessments, along with preparations for dive operations at the Middlesex County Utility Authority (MCUA) and tunnel flushing at PVSC.
- Additional coordination between EPA, ACE, and NYC officials continued for addressing HHW staging areas in 3 NYC locations. The NYC Department of Sanitation will transfer authority of managing the staging areas, segregating waste, and coordinating the recycling/disposal of materials. HHW staging areas have also been identified in Suffolk County, with two locations prepared to commence the acceptance of hazardous waste in the next operational period. Reconnaissance for appropriate Nassau County HHW locations continued, as crews conducted assessments of various communities. EPA also met with officials in Rockaway Beach to determine any HHW collection needs.
- EPA's HazMat teams continue to assess locations in New Jersey referred by the state, in New York City and on Long Island. These teams include community involvement personnel who are reaching out to affected communities to provide them with easy-to-understand information on precautions to protect their health from storm-related conditions and appropriate management of general household hazardous waste (HHW).
- EPA personnel assisted the coordinated clean-up efforts at the Phillips 66 facility in Linden, NJ. An OSC will be permanently assigned to this operation to assist in the recovery of oil that spilled along waterways and impacted wildlife. EPA also met with representatives from Phillips 66, NJDEP, USCG, and NOAA to tour the site and discuss the facility's preparation activities for the storm. The facility has staged an additional pump to remove water from the cemetery area to a reservoir which had been boomed off for containment purposes. It is recommended that federal and state coordination be increased to provide the responsible party (RP) with consistent guidance and information regarding response efforts. It is now reported that full operation will not be achieved for another three weeks due to generator contamination from saltwater.
- EPA continued to assess HHW and orphaned container needs in the five Boroughs of

NYC. Work was ended early on 11/7 due to storm concerns. EPA participated in two back to back Debris Management conference calls with participants from the EPA, State Solid Waste programs and other consultants and advisors to EPA, concerning working the Debris issues. EPA was invited to meet with head of the USACE on 11/8 to discuss debris mission and responsibilities.

- Reconnaissance for HHW and orphan container pads continued in Nassau and Suffolk County coastal towns although work was ended early due to the predicted storm.
- Superfund site updates:
 - Gowanus Canal (NY) – EPA will conduct an assessment and outreach effort on 11/9.
 - Newtown Creek (NY) – EPA completed staging of recovered orphan containers on 11/8. Containers are currently housed at the containers at the EPA remedial warehouse where they are being prepared for sampling and T&D coordination.
 - Raritan Bay Slag (NJ) – Stabilization activities continued and preparation made to secure areas that may be affected by the impending storm.
 - Zurburg Hospital (NJ) (removal) – Stabilization activities for a pile of asbestos-containing material should be completed by 11/9 and temporary measures are currently in place to maintain piles' covering.
- Dewatering operations of tunnels in Manhattan continue to have EPA oversight, and the Brooklyn Battery, PATH train and the Montague tunnel are near completion. All other priority tunnels are complete.
- The Region 2 Common Operating Picture (COP) is now available on FlexViewer. This display is constantly updated with response-related information. The COP located in the situation unit adjusts to the needs of the operations. FlexViewer is also being used as a data review source and for mapmaking.
- ASPECT flight missions scheduled for the day did not occur due to adverse weather conditions. A final mission encompassing the north and south forks of Long Island is scheduled to be performed in the next operational period.
- The Regional Headquarters Office in NYC is scheduled to open in the next operational period. The Edison Facility/REOC is now fully operational with grid power and a release of the boil water alert.

	New Jersey Incidents		
	Number of Notifications to EPA		
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	8	131	139
Other	0	6	6
Haz	0	3	3
Operational Period Total	8	140	148

	New York Incidents		
	Number of Notifications to EPA		
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	3	101	104

Other	0	11	11
Haz	0	0	0
Operational Period Total	3	112	115

Superfund Site Assessments				
	Within Declared Counties	Assessed	Pending	Posing Potential Threat
Remedial Sites				
New Jersey	152	35	115	1*
New York	40	10	28	2
Removal Sites				
New Jersey	83	83	0	1
New York	22	22	0	0

* Quanta Resources was removed from the list of sites posing a potential threat. Following an assessment of the site by the RPM, it was determined that any potential threats were remediated.

Regulatory Facilities:

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas & Other Oil	160	60	1
Total	257	151	5

RESOURCES

Personnel:

NUMBER OF DEPLOYED PERSONNEL to Impacted Areas: (will now reflect personnel supporting Region 2)

State/Location/Region	Current EPA Personnel In Field	Current Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2	34	33	49	39	155

NUMBER OF HEADQUARTERS PERSONNEL:

Headquarters	EPA Personnel	Contractor Personnel	Total
Total	33	3	36

Location	Totals
Region/State	155
HQ	36
Incident Total	191

FINANCE:

MISSION ASSIGNMENTS FOR REGIONS (only approved Mission Assignments are included):

State/FEMA #	Date	Amount	Purpose
Region 1			
Region 1 – 3353 EM-CT-EPA-01	10/28-11/26/12	\$30,000	Activate EPA ESF-10 at state EOCs and FEMA RRCC
Region 1 – MA-12102506-EPA-01	10/28-11/5/12	\$10,000	Activate EPA to RRCC and IMAT Amended to de-obligate funding on 10/31/2012
Region 3			
Region 3 – DE-12102505-EPA-01	10/28-11/5/12	\$16,000	FEMA RRCC ESF-10 Desk Support
Region 2			
4086DR-NJ-EPA-01 (mod 1)	10/30-12/10/12	\$300,000	NJ ROC Support/Assessment
4086DR-NJ-EPA-02	11/1–11/30/12	\$300,000	NJ Drinking and wastewater assistance
4086DR-NJ-EPA-03	11/2-30/12	\$1,000,000	Technical assistance for environmental assessments
4086DR-NJ-EPA-04	11/2/12-3/2/13	\$3,500,000	NJ Direct federal assistance for oil/hazmat field operations
NY-12102504-EPA-01	10/26-11/1/12	\$5,000	NY FEMA RRCC ESF-10 Desk Support
4085DR-NY-EPA-01	11/1–30/12	\$300,000	NY Drinking and wastewater assistance
4085DR-NY-EPA-02	10/28 - 11/10/12	\$400,000	NY ESF-10 EOC deployment and assessment assistance
4085-DR-NY-03	11/4–12/1/12	\$1,500,000	NY Direct federal assistance for oil/hazmat field operations
4085-DR-NY-04	11/4 – 12/1/12	\$ 500,000	Technical Assistance to NY on environmental issues
TOTAL		\$7,861,000	

MISSION ASSIGNMENTS FOR HQ:

FEMA #	Date	Amount	Purpose
District of Columbia	10/29 – 11/11/12	\$10,000	Deployment to NRCC to support ESF-10
TOTAL		\$10,000	